



Fort Hood Net-Zero Waste Update

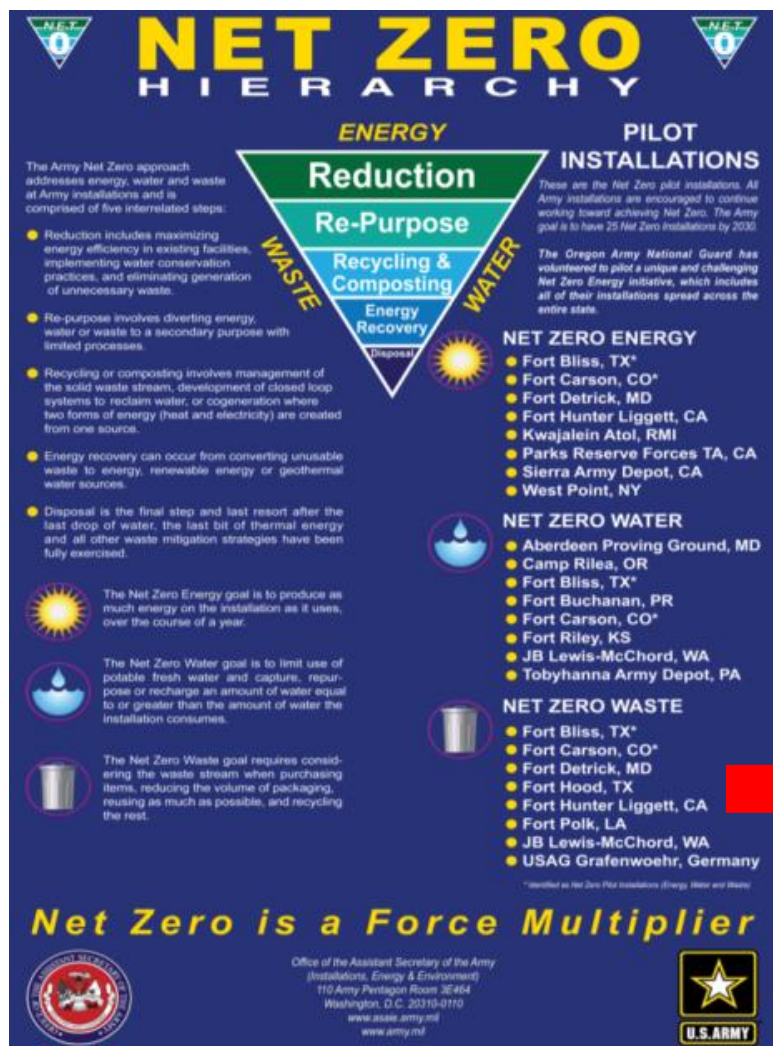


2020 "Perfect Vision, Perfect Mission"





Net Zero Waste History



- April 2011 selected as NZW Pilot
- December 2011 NZW Kickoff Workshop
- 4 Goal Leader Workgroup Monthly Meetings
- January 2013 2nd Annual Workshop
- Monthly Recycle Coordinator Meetings



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Net Zero Waste Strategy



Goal: Change culture at Fort Hood to achieve NZW

Key Tasks:

- **Reduce** amount of solid waste generated
- **Re-purpose** whenever possible
- **Expand Recycle**; increase diversion rate
- **Use Waste to Energy** to eliminate remaining waste
- Identify alternative disposal methods
- Employ **aggressive strategic communications** campaign
- Utilize Net Zero Waste Workgroups and Annual Workshops



End State: Fort Hood Community has embraced NZW and is actively supporting the effort



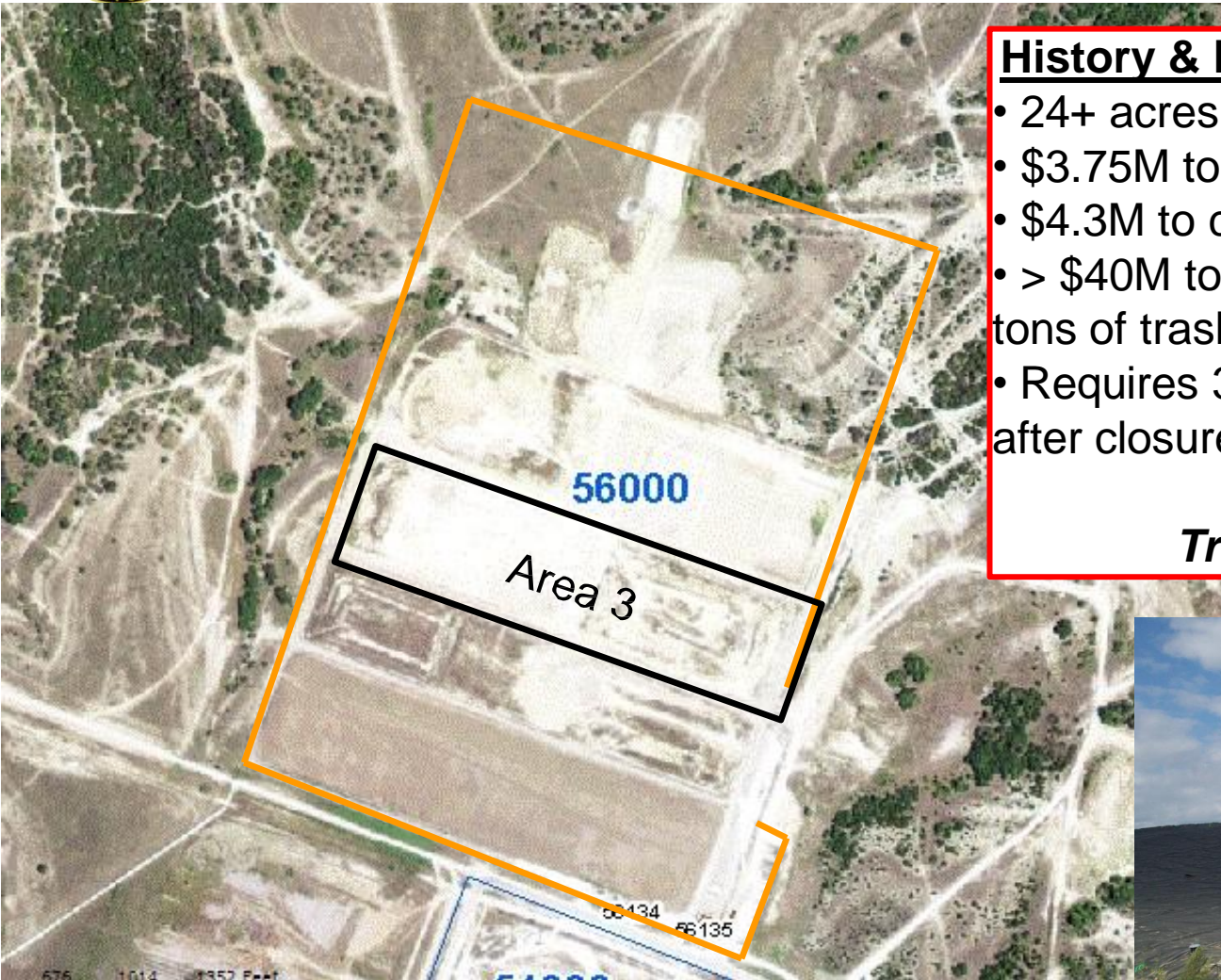
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Fort Hood Landfill: Area 3 Closure



History & Facts

- 24+ acres (19 football fields)
- \$3.75M to construct (6 cells)
- \$4.3M to close (on-going)
- > \$40M to collect and dump 325K tons of trash from 2001-2013
- Requires 30 years of monitoring after closure

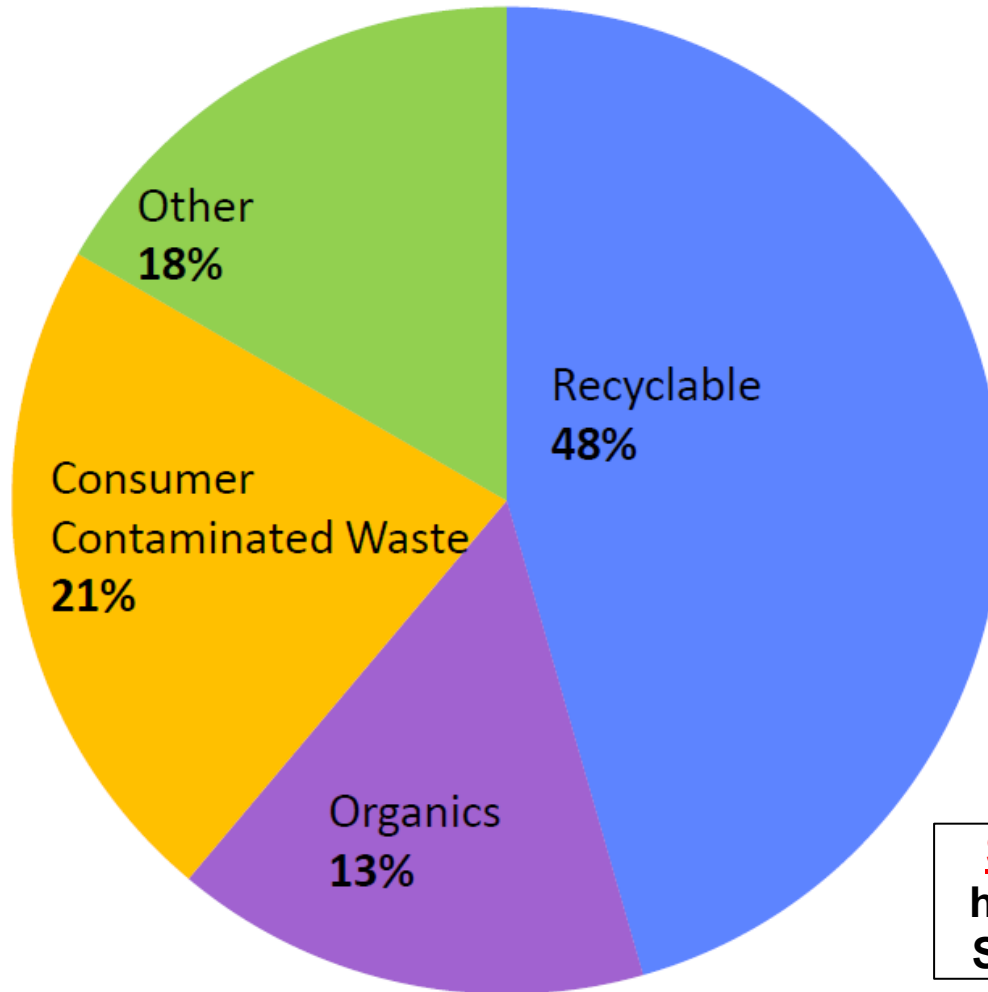
Trash is Expensive!



UNCLASSIFIED



What goes into the landfill?



Convert food packaging and paper towels to compostable items so ~2,500 tons could be composted

~2,300 tons per year of potential organics could be composted

In FY13,
8,668 tons of
recyclables in the
landfill!



\$1,036,240 could
have gone back to
Soldier Unit funds

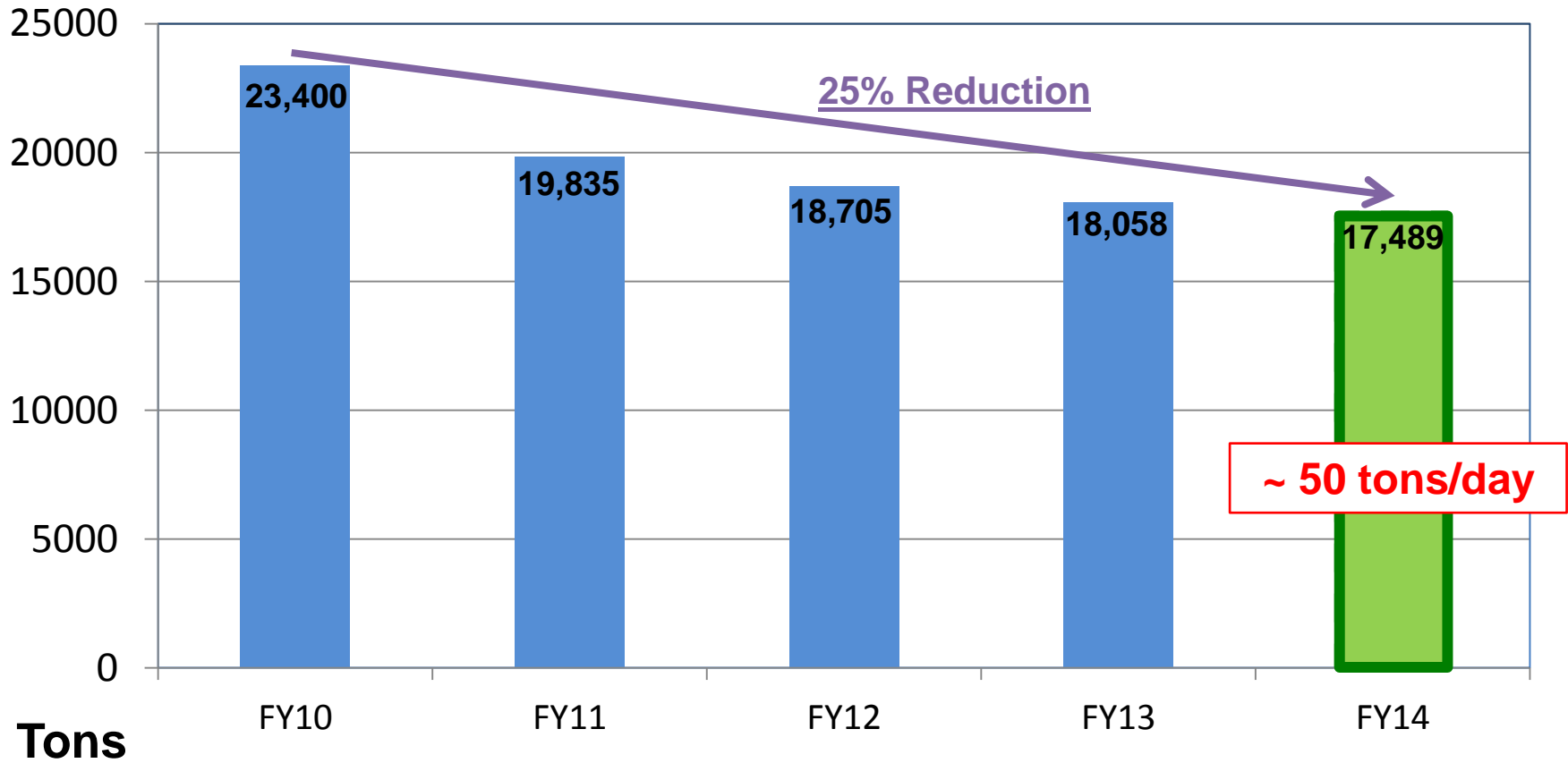


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MSW to the Fort Hood Landfill



Does not include C&D



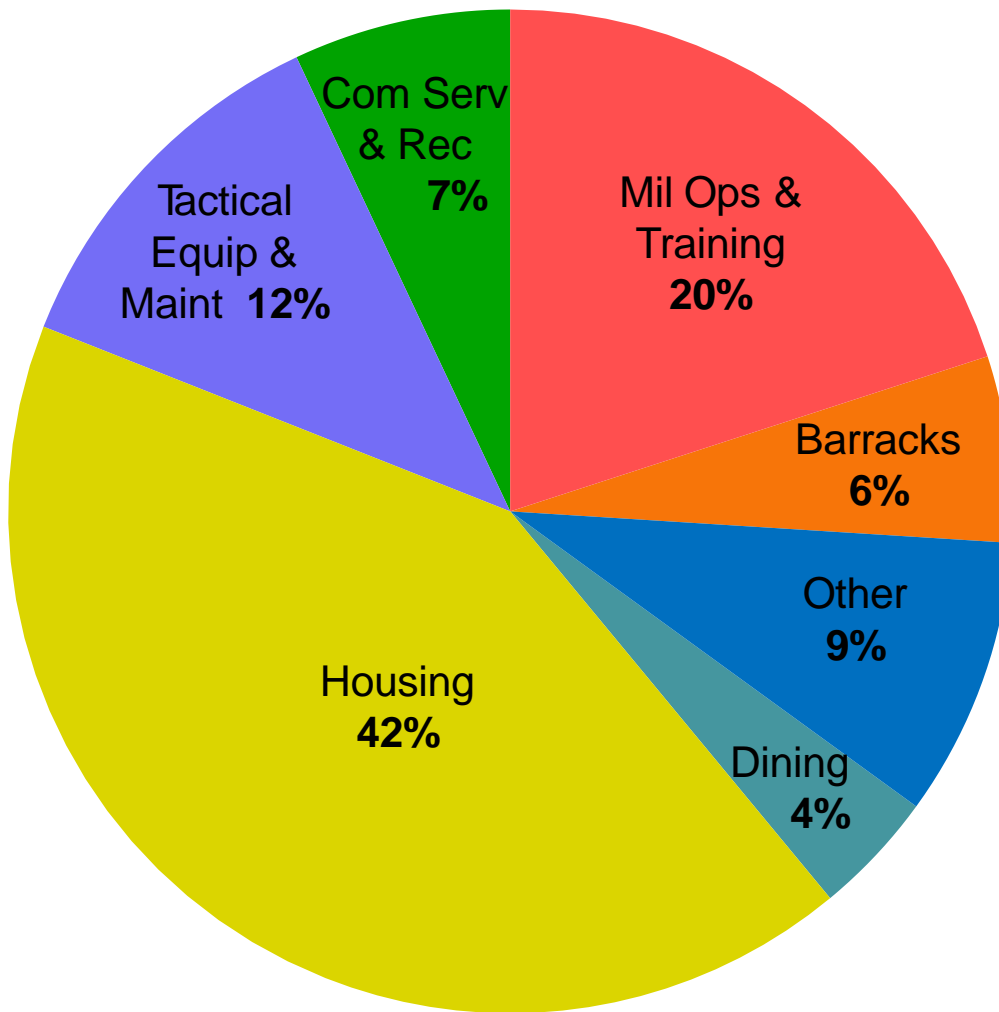
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Where does our Waste Come From?



- Mil Ops & Training - 3741 tons
- Barracks - 1122 tons
- Other - 1684 tons
(Retail, Admin, Hospital)
- Dining - 748 tons
- Housing - 7856 tons
- Tactical Equip & Maint - 2245 tons
- Com Services & Rec - 1309 tons



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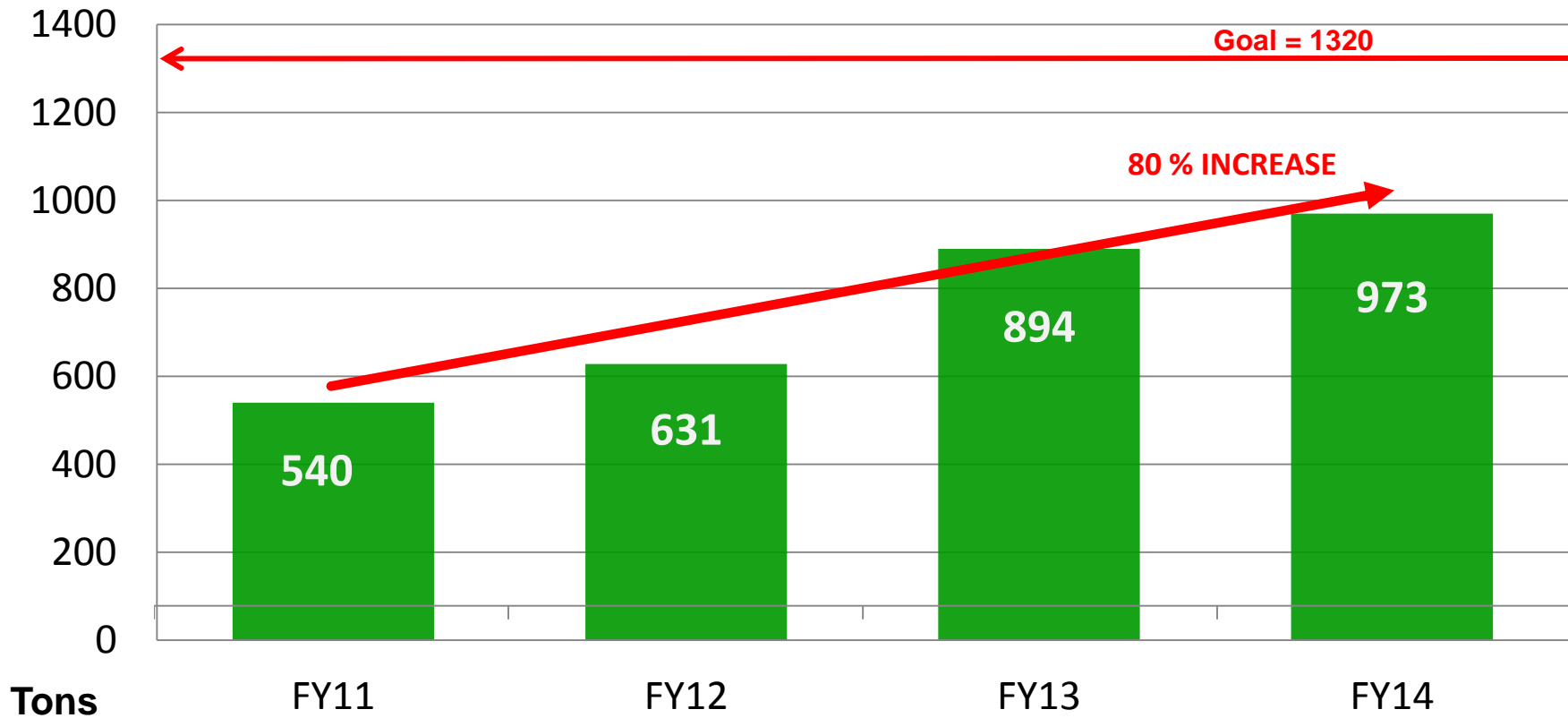




FY14 Housing Recycle



FY Totals



*Liberty Village has 35-gallon containers all other villages have 96-gallon containers.



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NZW Accomplishments



- 96 gallon single stream recycling in housing areas
- Scales on recycle trucks to measure progress
- Monthly progress reports for all housing villages
- Food Waste Composting Feasibility Study
- Spring and Fall Installation-wide Yard Sales
- Increased types of materials that can be recycled:
 - Glass, e-waste, tires, hard drives, Christmas lights, styrofoam & bags
- Commissary food waste donations to local pig farmers
- Furniture donations to local charities
- Commander desk side briefs with Recycle Coordinators
- Zero Boot Print Challenge for Soldiers
- Installation-wide NZW Communication Campaign





Net Zero Waste Diversion Glide Path



2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020

Diversion Goal

40% 42% 45% 50% 55% 60% 65% 70% 75% 80% 85%

Actual Diversion

42% 39% 44% 48% 49%

Diversion efforts include

Recycling



Composting



Reuse



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